LOCKHEED MARTIN

We never forget who we're working for™

Net Centric Sense & Respond Logistics

Logistics & Materiel Readiness Advanced Concept

September 21, 2006

Bill Jaissle, Program Manager

Agenda

- Background
- Sense & Respond Logistics Visualization
  - LogSAVE (Logistics Situational Awareness Visualization Environment)
- Future Plans

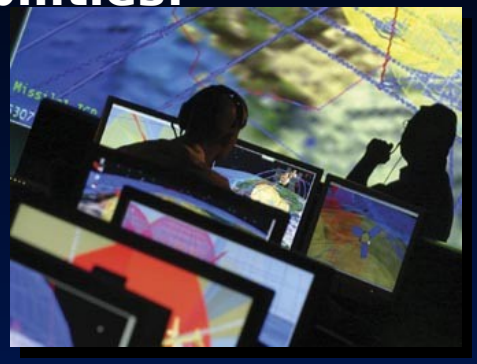
Optimizing Logistics Technology Investments

University Grants → Shared Vision → IR&D → TTP

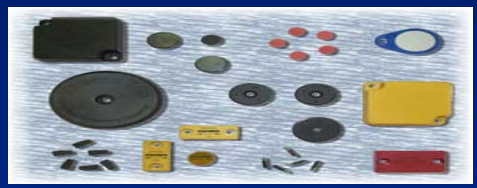
Logistics Enabling Technologies

- Information Assurance and Communications
- Modeling, Simulation, Trending & Forecasting
- Decision Support
- Information & Knowledge Management
- Prognostics & Health Management
- Enterprise Architectures
- Presentation & Visualization
- Automated Identification (RFID)
- Semantic Web

Integrating Leading Edge Capabilities:

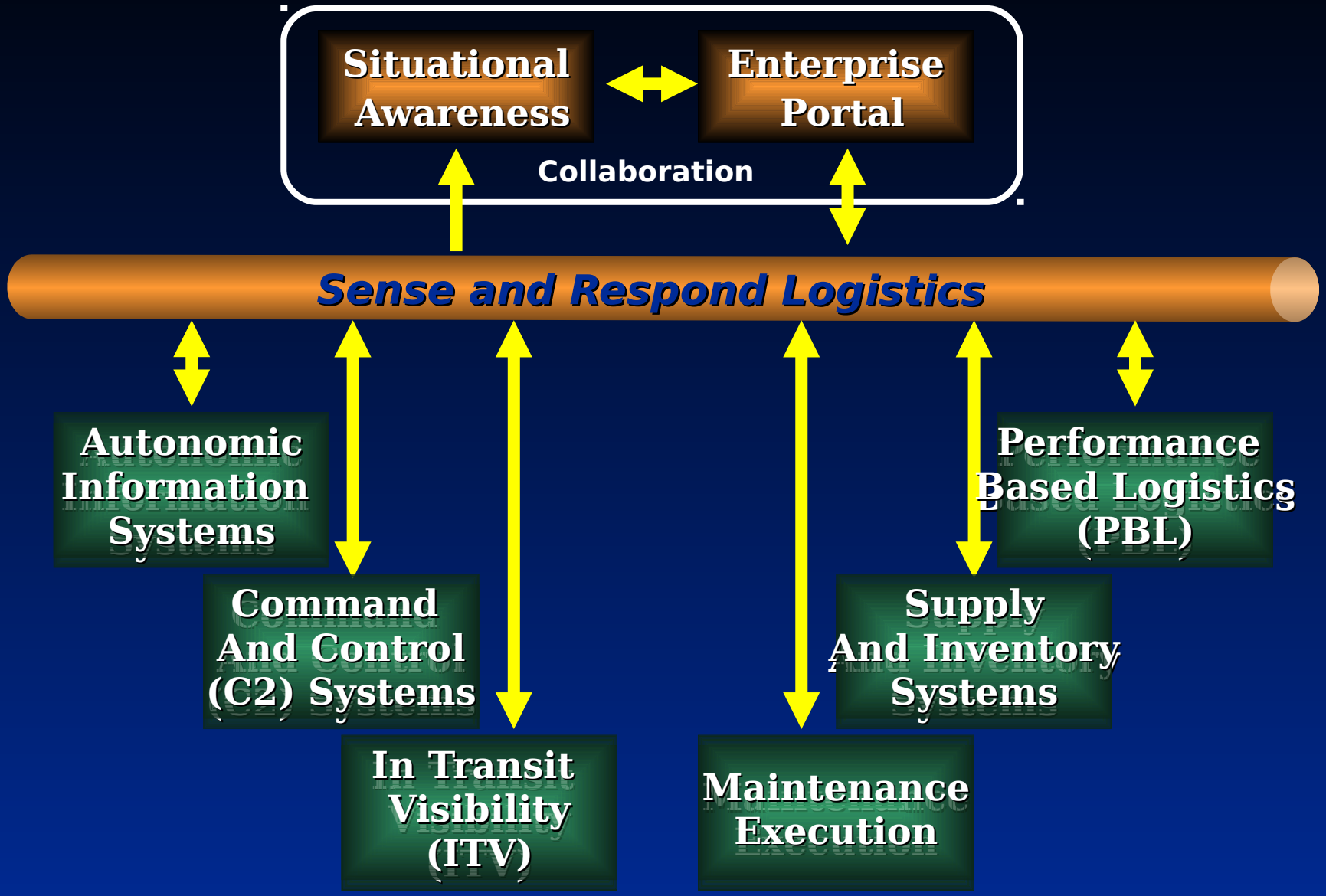


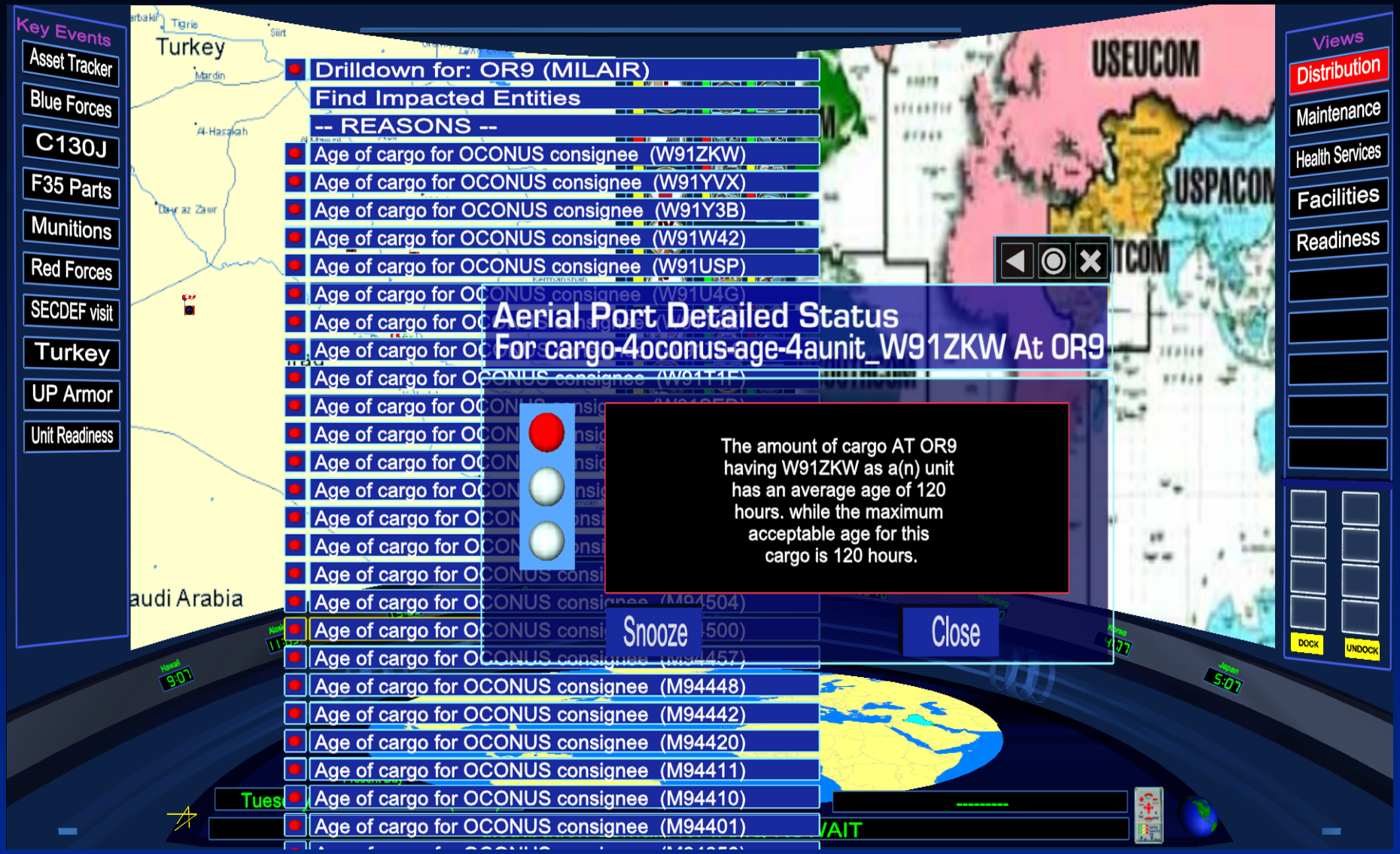
- Next Generation Logistics
- PBL Framework
- Logistics Modeling & Simulation



All Business Areas - Sharing Best Practices & Capabilities

Functional Capabilities




Key Events
Asset Tracker
Blue Forces
C130J
F35 Parts
Munitions
Red Forces
SECDEF visit
Turkey
UP Armor
Unit Readiness
Views
Distribution
Maintenance
Health Services
Facilities
Readiness
DOCK
UNDOCK
Turkey
Mardin
Al-Hasakah
Deir az Zawr
Tigris
Siirt
USEUCOM
USPACOM
Drilldown for: OR9 (MILAIR)
Find Impacted Entities
-- REASONS --
Age of cargo for OCONUS consignee (W91ZKW)
Age of cargo for OCONUS consignee (W91YVX)
Age of cargo for OCONUS consignee (W91Y3B)
Age of cargo for OCONUS consignee (W91W42)
Age of cargo for OCONUS consignee (W91USP)
Aerial Port Detailed Status
For cargo-4oconus-age-4aunit_W91ZKW At OR9
The amount of cargo AT OR9 having W91ZKW as a(n) unit has an average age of 120 hours. while the maximum acceptable age for this cargo is 120 hours.
Snooze
Close
Age of cargo for OCONUS consignee (M94448)
Age of cargo for OCONUS consignee (M94442)
Age of cargo for OCONUS consignee (M94420)
Age of cargo for OCONUS consignee (M94411)
Age of cargo for OCONUS consignee (M94410)
Age of cargo for OCONUS consignee (M94401)

Key Events
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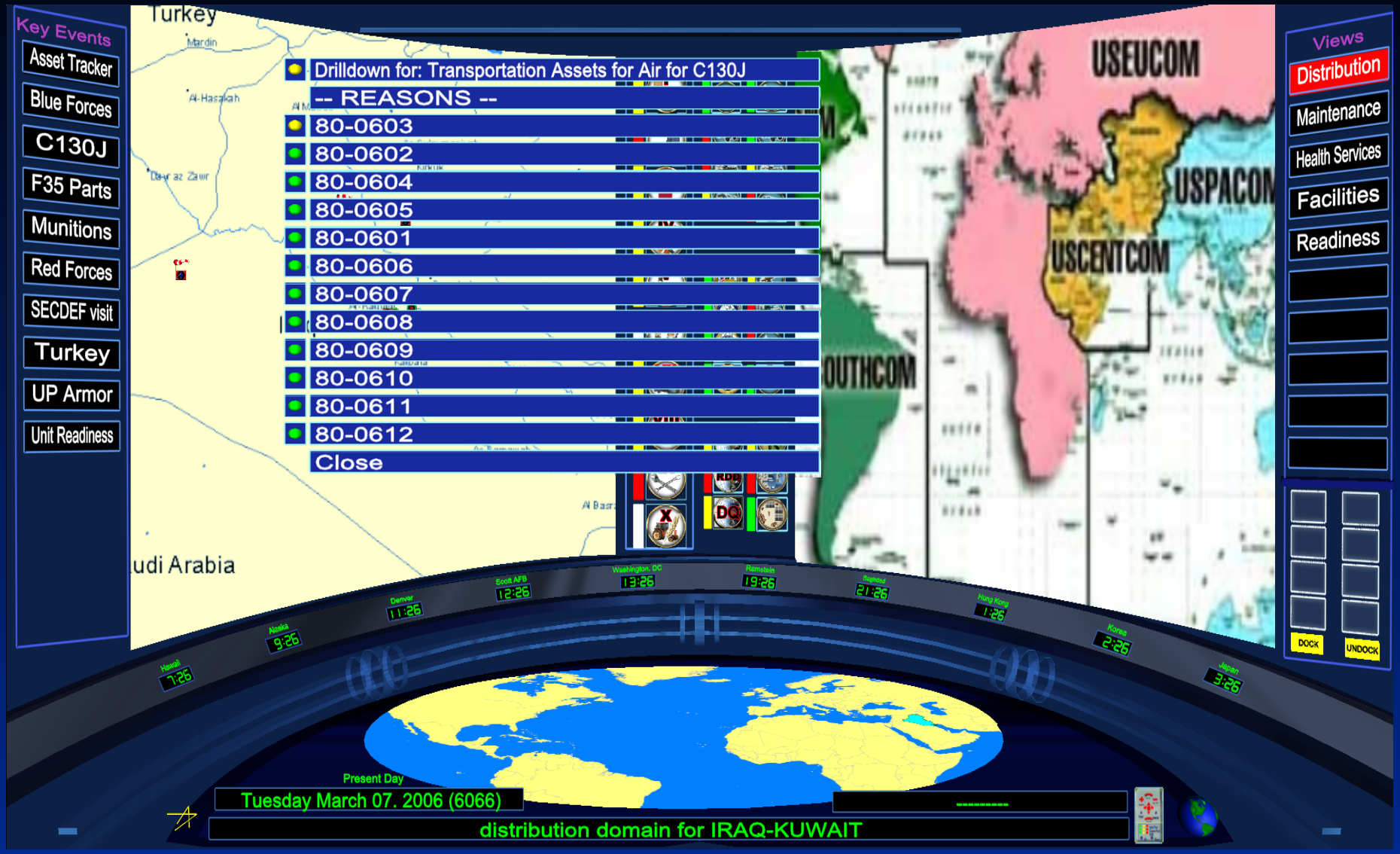
UP Armor
Unit Readiness
Turkey
Mardin
Al-Hasakah
Al Mawsil
Arbil
As-Sulaymaniyah
Kirkuk
Deyr az Zawr
Sanandaj
Kermanshah
Iraq
Karbala'
An Najaf
As-Samawah
An-Nasiriyah
udi Arabia
USEUCOM
SNORTHCOM
USPACOM
USCENTCOM
USSOUTHCOM
Views
Distribution
Maintenance
Health Services
Facilities
Readiness
DOCK
UNDOCK
Present Day
Tuesday March 07. 2006 (6066)
Collaboration Status
age impact for OR9 (MILAIR) for the distribution domain for IRAQ-KUWAIT


Key Events
Asset Tracker
Blue Forces
C130J
F35 Parts
Munitions
Red Forces
SECDEF visit
Turkey
UP Armor
Unit Readiness
Drilldown for: Transportation Assets for Air for C130J
-- REASONS --
80-0603
80-0602
80-0604
80-0605
80-0601
80-0606
80-0607
80-0608
80-0609
80-0610
80-0611
80-0612
Close
USEUCOM
USPACOM
USCENTCOM
Views
Distribution
Maintenance
Health Services
Facilities
Readiness
DOCK
UNDOCK
Present Day
Tuesday March 07. 2006 (6066)
distribution domain for IRAQ-KUWAIT

Key Events
Asset Tracker
Blue Forces
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SECDEF visit
Turkey
UP Armor
Unit Readiness
Views
Distribution
Maintenance
Health Services
Facilities
Readiness
Cargo Detail
Cargo for PL1123AAZ-1
NSN | Class of Supply | Item Name
1305010508845 | 5 | PROJECTILE.20 MILLI
Schedule Detail
Schedule for 28-66-404
Location | Sch Arr | Sch Dept
ASH SHUWAIKH | ---------- | 09 March 2005
HHC ARCENT TALLIL | 09 March 2005 | 09 March 2005
AEG DEPLYD TALLIL | 09 March 2005 | 09 March 2005
BALAD SOUTHEAST | 09 March 2005 | 09 March 2005
HHC B DIV BAGHDAD | 10 March 2005 | 10 March 2005
BAGHDAD INTL | 10 March 2005 | ----------
28-66-404
Truck Detail
RF Tag(s): 932576 700468
Status: Container Seal Broken
28-66-404
Schedule
Cargo
Track
All
Close
Iraq
Saudi Arabia
Turkey
NORTHCOM
Present Day
Tuesday March 07. 2006 (6066)
Collaboration Status
munitions for the distribution domain for IRAQ-KUWAIT
DOCK
UNDOCK

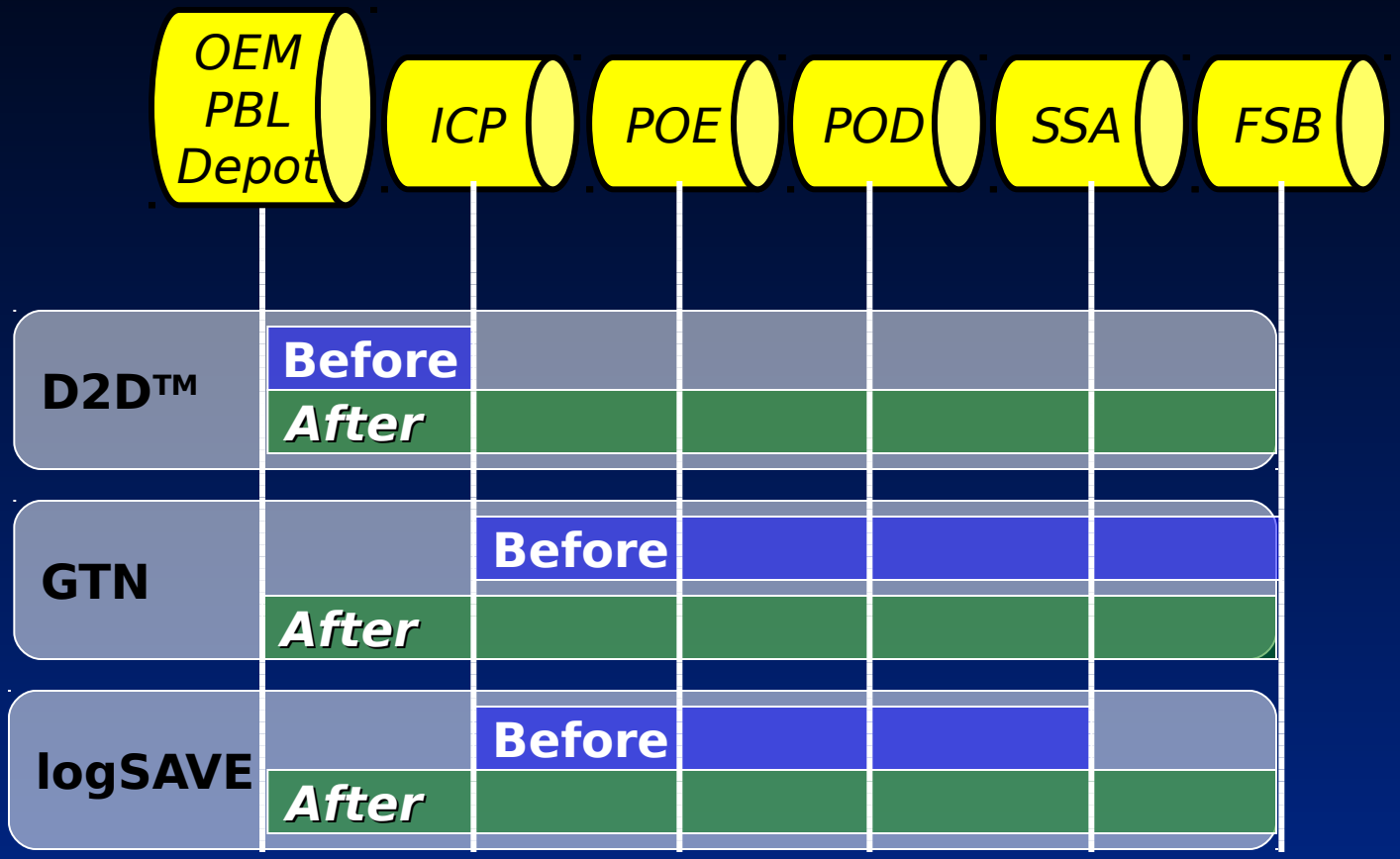
LogSAVE Provides

- ***Situational awareness and decision support** that are critical for effective logistics command and control*
- *An environment where **existing information** from dissimilar sources and business views is **fused in near real time** to **create actionable knowledge***
- *A **collaborative environment** supporting all levels of the command structure*
- *An **open and extensible framework** build upon open standards and a services oriented architecture (SOA)*

Net Centric S&R Logistics Accomplishments

- *Provision of an Integrated Logistics Situational Awareness Visualization Environment (logSAVE)*
- *Integration of Sense and Respond Logistics Applications (at Center for Innovation in Suffolk, VA)*
- *Connection to Global Information Grid (GIG) test bed (for bandwidth & latency experimentation)*
- *Integration to Joint Battle Command Bridge (maximize information transfer to & from C2 & CS systems)*
- *Provision of UDDI Registered Logistics Web Services*
- *Integration of Design to Disposal (D2D™) a Performance Based Logistics System (PBL) with the Global Transportation Network (GTN) and logSAVE*

Benefits of GTN, D2D™ & logSAVE Integration



Future Plans

- Next Generation Logistics
  - Situational Awareness
  - Logistics Web Services
  - Information Assurance
- PBL Standard Business Framework
- Modeling & Simulation / Experimentatio

Shaping Next Generation Global Logistics

LOCKHEED MARTIN

Collaboration with First Responders

Because …Our Best … Deserve the Best